BROAD FIELD SCIENCE TEACHING (GRADES 4-12) MAJOR (COMPREHENSIVE)

Requirements

This major is designed to provide broad exposure to science content across disciplines of biology, chemistry, earth and space science, and physics. A minimum of 22 credits numbered at the 300 level or higher are required for this major.

62 or 60 total credits

Code	Title	Hours
Biology Courses		
BIOL 130	Principles of Biology I	4.00
BIOL 132	Principles of Biology II	4.00
BIOL 340	Ecology and Evolutionary Biology	4.00
or BIOL 330	Genetics	
Chemistry [1]		
CHEM 105	General Chemistry I	5.00
CHEM 106	General Chemistry II	4.00
Earth and Space Science		
ENSC 100	Environmental Science	2.00
PHYS 100	Astronomy	4.00
GEOL 110	The Dynamic Earth	4.00
Select one of the following:		3.00-4.00
CHEM 300	Chemistry of Natural Waters	
GEOL 315	Climatology	
GEOL 360	Geomorphology	
Physics [2]		
PHYS 107	Algebra-Based Physics I	4.00
PHYS 108	Algebra-Based Physics II	4.00
Math		
MATH 113	Algebra with Applications	3.00
Select one of the options below:		15.00-17.00
Option 1: Science Teaching Licensure (Grades 4-12)		
Science Teaching Methods [3]		
NSED 321	Teaching Elementary/Middle School Science	
NSED 339	Secondary Methods in Science Education	
Teaching Experience Required Course		
T ED 470	Student Teaching Residency	
Option 2: Broad Field Science		
Select 15 additional credits of courses in BIOL, CHEM, ENSC, GEOL, NSED, or PHYS at 300+ level. A capstone course must be included.		
Total Hours		**60.00-63.00**

1 CHEM 305 Quant Analysis Lecture & CHEM 306 Quantitative Analysis Laboratory - Quantitative Analysis Lecture & Lab is recommended.

2 PHYS 201 Calculus-Based Physics I can substitute for PHYS 107 Algebra-Based Physics I. PHYS 202 Calculus-Based Physics II can substitute for PHYS 108 Algebra-Based Physics II.

3 Five credits required.

The Instruction Minor (http://catalog.uwsuper.edu/undergraduate/academic-departments/education/teacher-education/instruction-minor/) (22 credits) must be completed with Option 1

UW-Superior educational programs are approved by the Wisconsin Department of Public Instruction to fulfill licensure requirements for the state of Wisconsin. If you seek licensure in a state other than Wisconsin, please see the UW-Superior Institutional Certification Office web page (https://www.uwsuper.edu/frequently-asked-questions/institutional-certification-office-faqs/) for further information and assistance.